

Title (en)
A gas turbine combustor

Title (de)
Gasturbinenverbrennungsanlage

Title (fr)
Chambre de combustion de turbine à gaz

Publication
EP 1251313 A3 20021120 (EN)

Application
EP 02008510 A 20020415

Priority
JP 2001121498 A 20010419

Abstract (en)
[origin: EP1251313A2] A gas turbine combustor includes a side wall, for defining a combustion volume, having upstream and downstream ends, a pilot nozzle, disposed adjacent the upstream end of the side wall, for discharging a pilot fuel to form a diffusion flame in the combustion volume, and a plurality of main nozzles, provided around the pilot nozzles, for discharging a fuel-air mixture to form premixed flames in the combustion volume. Film air is supplied into the combustion volume downstream of the main nozzles along the inner surface of the side wall to reduce the fuel-air ratio in a region adjacent the inner surface of the side wall and to restrain a combustion-driven oscillation in the combustion volume. <IMAGE>

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F23R 3/06; F23R 3/00; F23M 13/00

IPC 8 full level
F02C 7/18 (2006.01); **F23M 13/00** (2006.01); **F23M 20/00** (2014.01); **F23M 99/00** (2010.01); **F23R 3/00** (2006.01); **F23R 3/06** (2006.01);
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F23M 20/005 (2015.01 - EP US); **F23R 3/005** (2013.01 - EP US); **F23R 3/06** (2013.01 - EP US); **F23D 2211/00** (2013.01 - EP US);
F23R 2900/00001 (2013.01 - EP US); **F23R 2900/00014** (2013.01 - EP US)

Citation (search report)

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